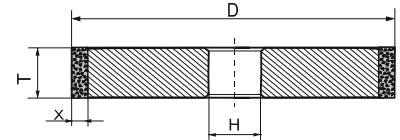




**METAL AND RESIN BONDED DIAMOND  
AND CBN GRINDING WHEELS FOR MACHINE  
BUILDING, ELECTRONICS, TOOL AND  
WOODWORKING INDUSTRIES**

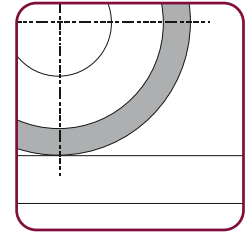
# 1A1

## STRAIGHT GRINDING WHEELS



1A1 D\*T\*X\*H

- Used for machining of conical, cylindrical and flat surfaces, cylindrical and conical apertures.
- Machining of cylindrical surface parts and surface ends at one set-up.
- Machining of recesses and slots of carbide stamps.
- Sharpening and finishing of carbide tools.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools, coolant is required.



Flat surface grinding

Catalog number	D, mm	T, mm	X, mm	H, mm
0-0004	16	8	2	6
0-0005	16	13	2	6
0-0010	20	10	2	6
0-0011	20	16	2	6
0-0016	25	10	3	6
0-0018	25	16	3	6
0-0022	32	10	3	10
0-0024	32	16	3	10
0-0031	40	16	3	16
0-0037	50	16	3	16
0-0044	63	16	3	20
0-0045	80	3	3	20
0-0048	80	6	3	20
0-0054	80	6	5	20
0-0050	80	10	3	20
0-0056	80	10	5	20
0-0053	80	20	3	20
0-0059	80	20	5	20
0-0060	100	3	3	20
0-0063	100	6	3	20
0-0065	100	10	3	20
0-0071	100	10	5	20
0-0068	100	20	3	20
0-0076	125	3	3	32
0-0078	125	5	3	32
0-0079	125	6	3	32
0-0080	125	10	3	32
0-0085	125	10	5	32
0-0083	125	20	3	32
0-0088	125	20	5	32
0-0089	125	32	5	32
0-0091	150	3	3	32
0-0093	150	5	3	32
0-0094	150	6	3	32
0-0100	150	6	5	32
0-0096	150	10	3	32
0-0102	150	10	5	32
0-0099	150	20	3	32
0-0105	150	20	5	32
0-0109	200	6	3	76
0-0111	200	10	3	76

Customer-specific and other grinding tools can be produced on request.

Catalog number	D, mm	T, mm	X, mm	H, mm
0-0116	200	10	5	76
0-0114	200	20	3	76
0-0119	200	20	5	76
0-0120	200	40	5	76
0-0126	250	10	5	76
0-0128	250	15	5	76
0-0129	250	20	5	76
0-0130	250	40	5	76
0-0131	250	50	5	76
0-0137	300	15	5	76
0-0145	300	15	5	127
0-0138	300	20	5	76
0-0146	300	20	5	127
0-0139	300	40	5	76
0-0149	350	20	5	127
0-0158	400	25	4	203
0-0154	400	25	6	127
0-0155	400	40	6	127
0-0159	400	40	6	203
0-0162	500	20	6	203
0-0164	500	40	6	203
0-0169	500	50	6	305
600-25	600	25	6	127
600-40	600	40	6	305

Customer-specific and other grinding tools can be produced on request.

### Straight grinding wheel 1A1 (special)

Catalog number	D, mm	T, mm	X, mm	H, mm
9-6643	40	10	3	20
9-9603	63	3	2,5	20
9-9604	63	3	3	20
9-6944	100	16	2	17
9-8130	142	16	2	24
9-8144	152	19	3	25,4
9-8139	155	15	3	20
9-6950	200	20	3	32
9-3230	200	88	5	127

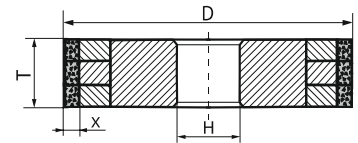
Customer-specific and other grinding tools can be produced on request.

# 1A1

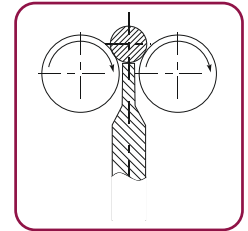
## STRAIGHT GRINDING WHEELS

compound

- Used for machining cylindrical surfaces, centerless grinding.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.



1A1 D\*T\*X\*H



Centerless grinding

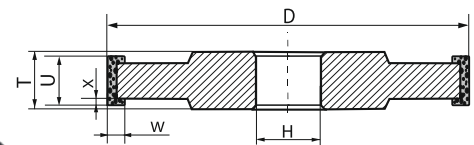
Catalog number	D, mm	T, mm	X, mm	H, mm
9-6993	300	100	5	127
0-2821	350	100	5	200
9-6997	350	100	5	127
9-6998	350	100	5	203
9-9606	400	150	5	203
9-6999	400	150	5	305
9-2034	500	200	3	304,8
9-2033	500	200	6	304,8

Customer-specific and other grinding tools can be produced on request.

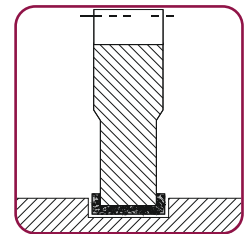
# 14U1

## THREE-SIDED GRINDING WHEELS

- Used for grinding carbide workpieces (flute grinding).
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.



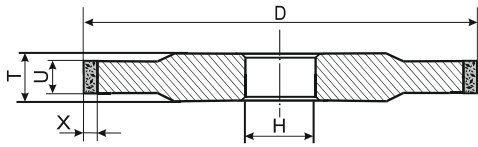
14U1 D\*T\*U\*W\*X\*H



Flute grinding

Catalog number	D, mm	T, mm	U, mm	W, mm	X, mm	H, mm
0-0201	125	10	6	4	2	32
0-0202	125	10	8	4	2	32
0-0203	150	12	8	4	2	32
0-0204	150	12	10	4	2	32
0-0205	150	12	8	6	2	32
0-0206	150	12	10	6	2	32
0-0208	150	12	10	4	2	51
0-0210	150	12	10	6	2	51
0-0211	200	16	12	6	3	32
0-0212	200	16	14	6	3	32
0-0213	200	16	12	10	3	32
0-0214	200	16	14	10	3	32
0-0218	200	16	14	10	3	51
0-0219	250	20	16	8	3	76
0-0220	250	20	20	8	3	76
0-0221	250	20	16	12	3	76
0-0222	250	20	20	12	3	76

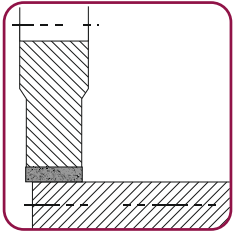
Customer-specific and other grinding tools can be produced on request.



## STRAIGHT FLAT GRINDING WHEELS

# 14A1

14A1 D\*T\*U\*X\*H



Cylindrical surface grinding

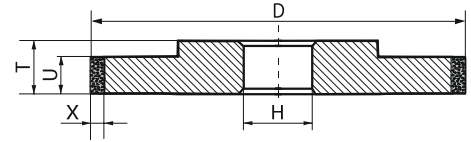


- Used for machining of conical, cylindrical and flat surfaces, cylindrical and conical apertures, sharpening and finishing of carbide tools.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

Catalog number	D, mm	T, mm	U, mm	X, mm	H, mm
0-0301	100	6	3	3	20
0-0302	100	6	5	3	20
0-0303	100	6	3	5	20
0-0304	100	6	5	5	20
0-0305	125	6	3	3	32
0-0306	125	6	5	3	32
0-0307	125	6	3	5	32
0-0308	125	6	5	5	32
0-0309	150	8	3	3	32
0-0310	150	8	5	3	32
0-0311	150	8	3	5	32
0-0312	150	8	5	5	32
0-0315	150	10	7	7	32
0-0316	150	10	9	7	32
0-0317	175	8	3	3	51
0-0318	175	8	5	3	51
0-0319	175	8	3	5	51
0-0320	175	8	5	5	51
0-0321	200	10	3	3	51
0-0322	200	10	5	3	51
0-0323	200	10	3	5	51
0-0324	200	10	5	5	51
0-0327	200	10	7	7	51
0-0328	200	10	9	7	51
0-0329	250	10	3	5	51
0-0330	250	10	5	5	51
0-0333	250	10	7	7	51
0-0334	250	10	3	5	76
0-0335	250	10	5	6	76
0-0338	250	10	7	7	76

Customer-specific and other grinding tools can be produced on request.

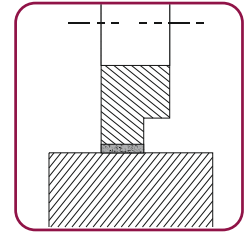
# 3A1 STRAIGHT GRINDING WHEELS



- Used for processing of cylindrical and flat surfaces on cylindrical and surface grinding machines.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.



3A1 D\*T\*U\*X\*H

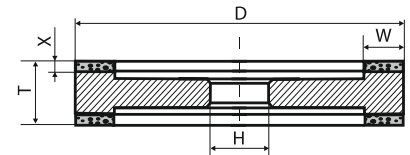


Flat surface grinding

Catalog number	D, mm	T, mm	U, mm	X, mm	H, mm
9-5030	150	10	2	3	31,75
9-5031	150	10	3	3	31,75
9-5032	200	10	3	3	31,75
9-5021	300	14	5,5	3	127
9-5022	300	19	8	3	127
9-5023	300	14	10	3	127
9-5024	300	14	12	3	127
9-5020	350	22	10	5	127

Customer-specific and other grinding tools can be produced on request.

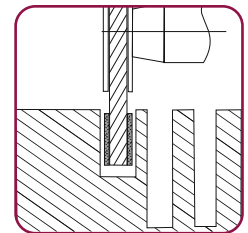
# 9A3 FLAT GRINDING WHEELS WITH DOUBLE-SIDED RECESS



- Used for sharpening and finishing of carbide tools, machining of glass, ceramics, quartz, semiconducting materials.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.



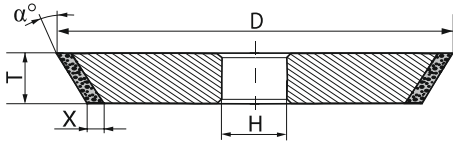
9A3 D\*W\*X\*T\*H



One-pass groove grinding

Catalog number	D, mm	W, mm	X, mm	T, mm	H, mm
3-0132	100	6	1,5	10	20
3-0135	125	10	2	20	32
3-0136	125	15	2	20	32
3-0137	150	6	3	16	32
3-0138	150	10	3	16	32
3-0139	150	20	3	16	32
3-0149	200	20	3	16	32
3-0160	250	10	3	21	76
3-0161	250	20	3	21	76

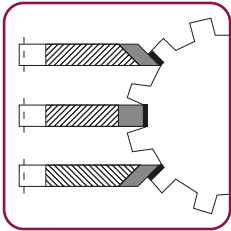
Customer-specific and other grinding tools can be produced on request.



## GRINDING WHEELS

# 1V1

1V1 D\*T\*X\* $\alpha$ \*H



Machining of teeth

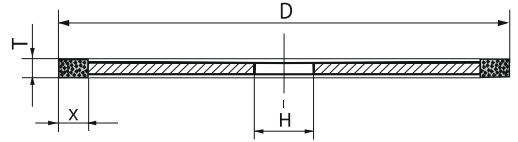


- Used for grinding of cylindrical and tapered surfaces.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

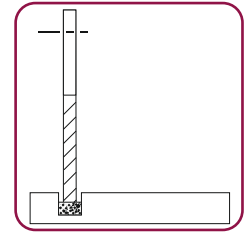
Catalog number	D, mm	T, mm	X, mm	$\alpha^\circ$	H, mm
0-7346	75	8	5	30	20,00
9-3206	100	12	6	15	31,75
9-3207	100	12	6	30	31,75
9-3208	100	12	6	45	31,75
9-3209	125	12	6	15	31,75
9-3211	125	12	6	20	31,75
9-3212	125	12	6	25	31,75
9-3213	125	12	6	30	31,75
9-3214	125	12	3	10	31,75
9-3215	125	12	3	15	31,75
9-3216	125	12	3	20	31,75
9-3217	125	12	3	25	31,75
9-3218	125	12	3	30	31,75
9-3219	125	12	3	45	31,75
9-3220	125	6	6	30	50,80
9-3222	100	10	3	20	20,00
9-3223	125	12	3	20	20,00
9-3241	125	10	6	45	31,75
9-3248	100	6	5	30	31,75
9-3249	100	6	5	45	31,75

Customer-specific and other grinding tools can be produced on request.

# 1A1R CUT-OFF WHEELS



1A1R D\*T\*X\*H



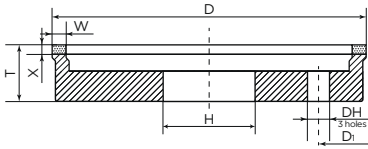
Material cutting

- Used for cutting carbide, glass, marble, quartz, semiconducting materials, ceramics, decorative stones.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

Catalog number	D, mm	T, mm	X, mm	H, mm
6-0127	50	1,0	5	12
6-0167	100	1,0	5	20
6-0187	125	1,0	5	32
6-0189	125	1,2	5	32
6-0212	150	1,0	5	32
6-0219	150	1,2	5	20
6-0214	150	1,2	5	32
6-0216	150	1,5	5	32
6-0223	175	1,0	5	32
6-0225	175	1,5	5	32
6-0229	200	1,0	5	32
6-0682	200	1,2	10	32
6-0232	200	1,2	5	32
6-0234	200	1,5	5	32
6-0236	200	2,0	5	32
6-0238	200	2,2	5	32
6-0241	250	1,5	5	32
6-0243	250	2,0	5	32
6-0245	250	2,2	5	32
6-0691	300	2,2	5	32
6-0703	350	2,2	5	32
6-0707	350	2,2	5	76
6-0705	350	2,2	10	32
6-0712	400	2,2	5	32
6-0267	400	2,2	5	76

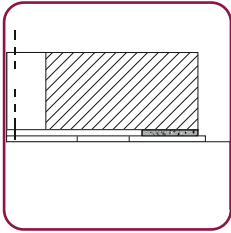
Customer-specific and other grinding tools can be produced on request.





# RECESSED FLAT GRINDING WHEELS 6A2

6A2 D\*W\*X\*T\*H



Surface grinding



- Used for sharpening and finishing of carbide tools (cutters, drills and others).
- Machining of glass, ceramics, quartz, semiconductors and other non-metal materials.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

Catalog number	D, mm	W, mm	X, mm	T, mm	H, mm
3-0001	50	3	2	22	16
3-0002	50	5	2	22	16
3-0004	75	5	2	22	20
3-0005	75	10	2	22	20
3-0007	100	5	2	22	20
3-0008	100	10	2	22	20
3-0009	100	15	2	22	20
3-0011	100	5	4	24	20
3-0012	100	10	4	24	20
3-0013	100	15	4	24	20
3-0019	125	6	2	22	32
3-0020	125	10	2	22	32
3-0021	125	15	2	22	32
3-0023	125	6	4	24	32
3-0024	125	10	4	24	32
3-0025	125	15	4	24	32
3-0026	150	6	4	24	32
3-0027	150	10	4	24	32
3-0028	150	20	4	24	32
3-0035	150	6	6	26	51
3-0036	150	10	6	26	51
3-0037	150	20	6	26	51
3-0038	200	10	4	29	51
3-0039	200	20	4	29	51
3-0057	250	20	4	29	76
3-0058	250	40	4	29	76

Flat grinding wheels 6A2 special

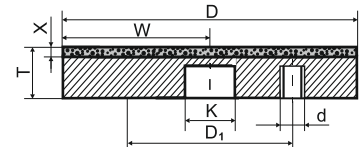
Catalog number	D, mm	W, mm	X, mm	T, mm	H, mm
3-2111	50	4	2	10	16
3-0170	100	35	5	20	20
3-0171	150	30	5	20	20
3-1306	250	60	3	23	51
3-1401	500	50	8	34	325

Flat grinding wheels 6A2 special, electroplated

Catalog number	D, mm	W, mm	T, mm	H, mm
6-1217	360	165	18	160
6-1218	400	185	18	160
6-1221	500	235	18	160
6-1219	600	285	18	160
6-1220	700	305	18	200

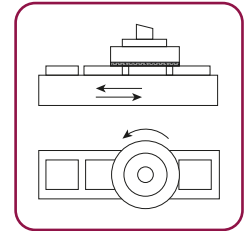
Customer-specific and other grinding tools can be produced on request.

# 6A2T FLAT GRINDING WHEELS



6A2T D\*W\*X\*T\*D1\*d\*H

- Used for machining of flat and shaped surfaces of glass, ceramics, quartz, semiconductors, and decorative stones.
- The diamond layer is made of diamond grinding powder with metal bonds.
- Coolant is required.

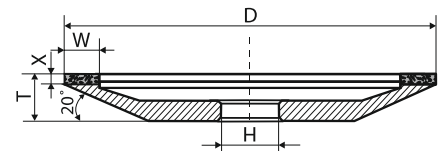


Surface grinding

Catalog number	D, mm	W, mm	X, mm	T, mm	D1, mm	d, mm	H, mm
3-0201	100	50	3	18	70	M8	40
3-0202	150	75	3	18	70	M8	40
3-0203	200	100	3	18	150	M8	80
3-0204	250	125	3	18	150	M8	80
3-0205	300	150	3	20	260	M10	80
3-2807	400	200	2,4	20	260	M10	80

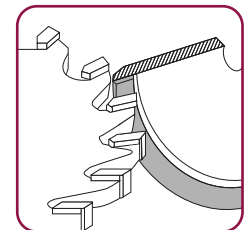
Customer-specific and other grinding tools can be produced on request.

# 12A2-20 DISH GRINDING WHEELS



12A2-20 D\*T\*X\*W\*H

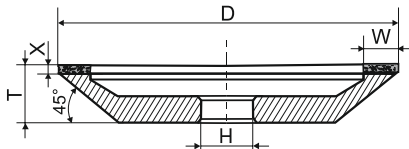
- Used for sharpening and finishing of front surfaces of ream teeth, cutters, circular saws, drawing dies and tools made of tungsten carbide.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.



Tool face sharpening

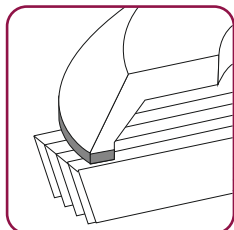
Catalog number	D, mm	T, mm	X, mm	W, mm	H, mm
5-0005	75	10	2	3	16
5-0006	75	10	2	6	16
5-0007	100	12	2	3	20
5-0008	100	12	2	6	20
5-0009	125	16	2	3	32
5-0010	125	16	2	6	32
5-0011	125	16	2	10	32
5-0012	150	18	2	3	32
5-0013	150	18	2	6	32
5-0014	150	18	2	10	32
5-0018	200	22	2	10	51
9-5045	50	10	2,2	2,3	16
5-1011	75	10	2	6	20
9-3151	125	12	1,5	6 (3+3)	32
9-5006	150	19	3	10	32
9-5042	175	21	3	10	32

Customer-specific and other grinding tools can be produced on request.



# CUP GRINDING WHEELS 12A2-45

12A2-45 D\*W\*X\*T\*H



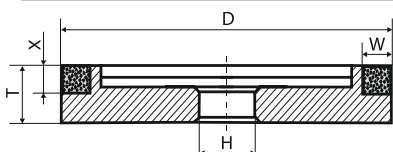
Face grinding



- Used for sharpening and finishing of front and back surface of multiple-blade carbide tools (with straight and spiral teeth), cutters, drills and other tools.
- Used for processing of flat machine part surfaces, semiconductors, ceramic materials, precious stones, quartz and other materials.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

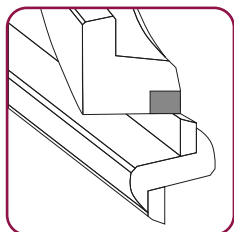
Catalog number	D, mm	W, mm	X, mm	T, mm	H, mm
4-0004	50	3	3	21	16
4-0117	75	3	3	21	20
4-0118	75	6	3	21	20
4-0015	100	3	3	32	20
4-0016	100	5	3	32	20
4-0017	100	10	3	32	20
4-0027	125	3	3	40	32
4-0028	125	5	3	40	32
4-0029	125	10	3	40	32
4-0031	125	5	5	42	32
4-0040	150	10	3	40	32
4-0043	150	10	5	42	32
4-0041	150	20	3	40	32
4-0044	150	20	5	42	32
4-0073	200	10	3	50	51
4-0074	200	20	3	50	51
4-0076	200	20	5	52	51
4-0092	250	20	3	50	76

Customer-specific and other grinding tools can be produced on request.



# RECESSED FLAT GRINDING WHEELS 6A9

6A9 D\*W\*X\*T\*H



Saw end surface sharpening



- Used for sharpening and finishing of special tools.
- The diamond layer is made of diamond grinding powder with resin bonds.
- For metal bonded tools coolant is required.

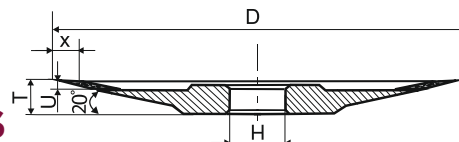
Catalog number	D, mm	W, mm	X, mm	T, mm	H, mm
9-8150	100	3	6	30	20

Customer-specific and other grinding tools can be produced on request.

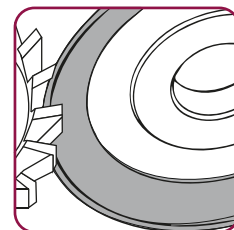
# 12V9-20 DISH GRINDING WHEELS

(PREMIUM LINE)

- Used for sharpening and finishing (face grinding) of circular saw teeth and other tungsten carbide tools.



12V9-20 D\*T\*X\*U\*H



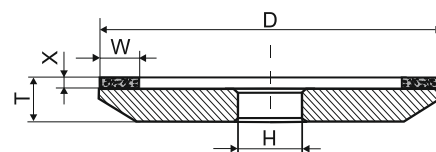
Face grinding

Catalog number	D, mm	T, mm	X, mm	U, mm	H, mm
3-3042	100	10	2,3	4	25
4-4026	120	13	2,5	4	32
3-3048	125	13	2,5	4	32
3D3048	125	13	2,5	4	20
3-3045	150	13	2,3	4	32
4-4026	160	13	2,3	4	32
3-3043	175	13	2,5	4	32
3-3049	200	13	2,3	4	32

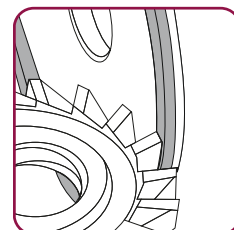
Customer-specific and other grinding tools can be produced on request.

# 4A2 DISH GRINDING WHEELS

- Used for sharpening and finishing (face and top grinding) of multiple-blade tools.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.



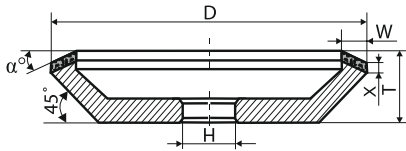
4A2 D\*T\*X\*W\*H



Top grinding

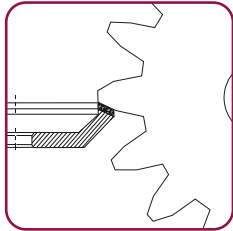
Catalog number	D, mm	T, mm	X, mm	W, mm	H, mm
9-8151	100	10	2	3	20
4-1140	100	10	1	6	22,20
4-1116	100	10	1,5	6	31,75
9-9161	125	10	3	6	31,75
9-9166	125	10	3	6	32
9-9165	125	10	2	8	20
9-3153	125	18	5	6	32
9-8158	150	12	3	5	20
9-9162	150	12	3	6	31,75
9-9167	150	12	3	6	32
4-1141	300	50	2	8	76

Customer-specific and other grinding tools can be produced on request.



# CUP GRINDING WHEELS 12V5-45

12V5-45 D\*T\*W\*X\*α\*H



Ram sharpening

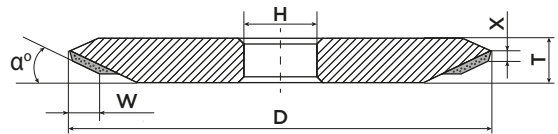


- Used for sharpening and finishing (top grinding) of multiple-blade carbide tools (with straight and spiral teeth), cutters, drills and other tools.
- Used for processing of semiconductors, ceramic material, quartz and other materials.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

Catalog number	D, mm	T, mm	W, mm	X, mm	α°	H, mm
4-0121	50	20	3	3	15	16
4-0122	50	20	3	3	25	16
4-0123	75	25	3	3	15	20
4-0124	75	25	3	3	25	20
4-0125	75	25	6	3	15	20
4-0126	75	25	6	3	25	20
4-0127	100	32	3	4	15	20
4-0128	100	32	3	4	25	20
4-0129	100	32	6	4	15	20
4-0130	100	32	6	4	25	20
4-0131	125	40	3	4	15	32
4-0132	125	40	3	4	25	32
4-0133	125	40	6	4	15	32
4-0134	125	40	6	4	25	32
4-0135	150	40	6	5	15	32
4-0136	150	40	6	5	25	32
4-0137	150	40	6	5	15	51
4-0138	150	40	6	5	25	51

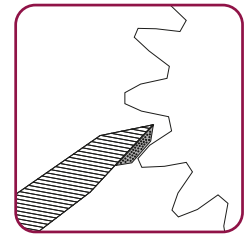
Customer-specific and other grinding tools can be produced on request.

# 12D9 DISH GRINDING WHEELS



12D9 D\*W\*X\*T\*α\*H

- Used for sharpening and finishing of front and back surfaces of carbide tools.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

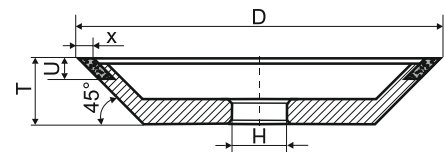


Face grinding

Catalog number	D, mm	W, mm	X, mm	T, mm	α°	H, mm
5-0102	125	4	2	11	20	32
5-0104	125	8	2	11	20	32
5-0106	150	8	3	13	20	32
5-0108	150	16	3	13	20	32
5-0113	200	25	3	16	15	32
5-0114	200	25	3	16	20	32
5-0126	250	16	3	20	20	76
5-0125	250	16	3	20	15	76

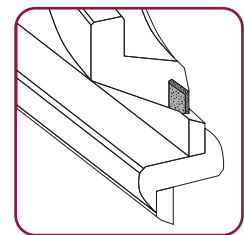
Customer-specific and other grinding tools can be produced on request.

# 12V9-45 DISH GRINDING WHEELS



12V9-45 D\*U\*X\*T\*H

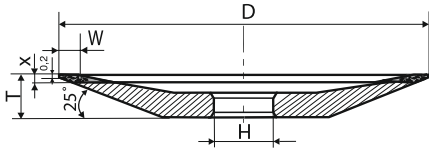
- Used for sharpening and finishing of cutting tool back surfaces.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.



Top grinding

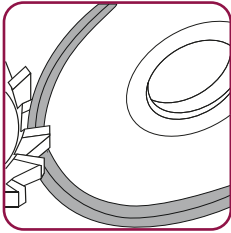
Catalog number	D, mm	U, mm	X, mm	T, mm	H, mm
4-2513	75	10	4	12	31,75
4-2503	75	6	1,5	18	31,75
4-1503	75	6	2	20	20
9-3154	75	6	3,5	20	10
4-2510	100	6	1,5	18	31,75
4-1510	100	10	2	20	20
4-2512	100	10	3	20	31,75
9-3108	125	10	3	25	20

Customer-specific and other grinding tools can be produced on request.



## DISH GRINDING WHEELS 12R4

12V5-45 D\*T\*W\*X\*α\*H



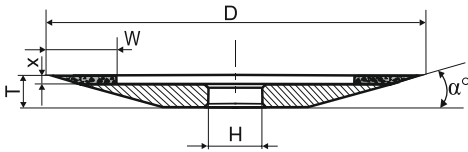
Face grinding



- Used for sharpening and finishing of front surfaces of reamer teeth, cutters, circular saws, drawing dies and tools made of tungsten carbide.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

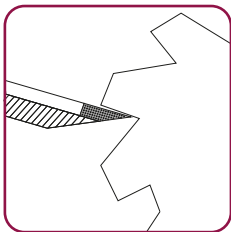
Catalog number	D, mm	W, mm	X, mm	T, mm	H, mm
5-0041	50	2	1,5	6	16
5-0042	75	3	2	10	20
5-0043	100	3	2	10	32
5-0045	150	5	3	16	32
5-1031	100	3	2	10	32
5-1041	125	3	2	13	32
5-1051	150	5	3	16	32
5-1052	150	5	3	16	51
3-3047	200	4	2	13	32

Customer-specific and other grinding tools can be produced on request.



## DISH GRINDING WHEELS 4B2

4B2 D\*T\*X\*W\*α\*H



Face grinding



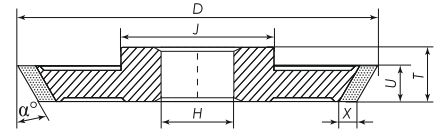
- Used for sharpening and finishing of tool front surfaces.
- The diamond layer is made of diamond grinding powder with resin bonds.
- For metal bonded tools coolant is required.

Catalog number	D, mm	T, mm	X, mm	W, mm	α°	H, mm
8-7002	100	10	1,5	6	20	31,75
8-7004	150	12	1,5	6	20	31,75
8-7008	125	10	2	6	20	32
8-7009	150	12	1,5	6	20	32
8-7010	100	10	1,5	6	20	32

Customer-specific and other grinding tools can be produced on request.

# 3V1

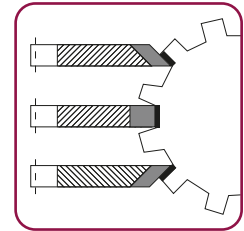
## GRINDING WHEELS



- Grinding wheels are used for chip-breaker grinding, slotting and cutting surface profiling of shaft tools etc.



3V1 D\*T\*U\*X\* $\alpha$ \*H



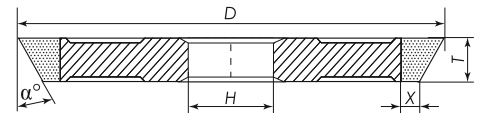
Machining of teeth

Catalog number	D, mm	T, mm	U, mm	X, mm	$\alpha^\circ$	H, mm
9-5064	125	8	6	5	15	31,75
9-5065	100	8	5	10	45	31,75
9-5066	125	6	3	5	10	31,75
9U5063	100	6	3	10	15	31,75

Customer-specific and other grinding tools can be produced on request.

# 1B1

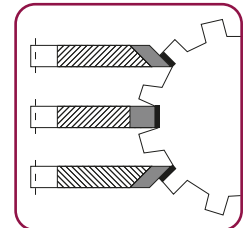
## GRINDING WHEELS



- Grinding wheels are used for chip-breaker grinding, slotting and cutting surface profiling of shaft tools etc.



1B1 D\*T\*X\* $\alpha$ \*H

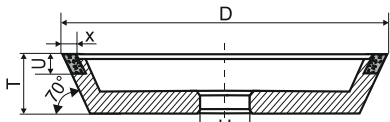


Machining of teeth

Catalog number	D, mm	T, mm	X, mm	$\alpha^\circ$	H, mm
OE 0327	200	7	7	30	76
FM1B53	75	10	10	20	20

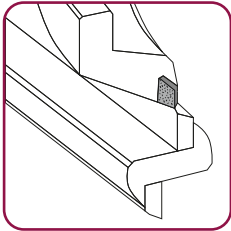
Customer-specific and other grinding tools can be produced on request.





# TAPERED CUP GRINDING WHEELS 11V9-70

11V9-70 D\*U\*X\*T\*H



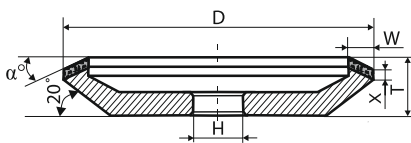
Sharpening of back and side surfaces



- Used for sharpening and finishing of back and side surfaces of carbide tools.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

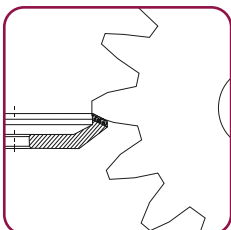
Catalog number	D, mm	U, mm	X, mm	T, mm	H, mm
4-0101	50	3	1,5	20	16
4-0102	75	6	2	32	20
4-0103	100	6	2	40	20
4-0104	100	10	2	40	20
4-0105	125	6	3	40	32
4-0106	125	8	3	40	32
4-0107	125	10	3	40	32
4-0108	150	6	3	40	32
4-0109	150	10	3	40	51

Customer-specific and other grinding tools can be produced on request.



# DISH GRINDING WHEELS 12V5-20

12V5-20 D\*T\*W\*X\* $\alpha$ \*H



Ram sharpening



- Used for sharpening and finishing of multiple-blade tools, cutter back surfaces (with straight and spiral teeth), drills and other tools made of tungsten carbide.
- Used for processing of semiconducting materials, ceramic materials, quartz and other materials.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

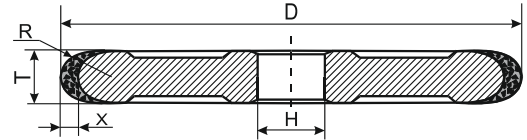
Catalog number	D, mm	T, mm	W, mm	X, mm	$\alpha^\circ$	H, mm
5-0078	75	10	5	2	25	20
5-0080	100	10	3	2	25	20
5-0086	125	13	5	2	25	32
5-0090	150	16	10	3	25	32

Customer-specific and other grinding tools can be produced on request.

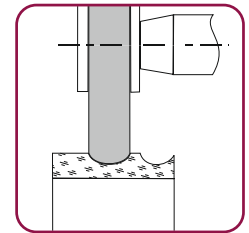
# 1FF1 FLAT GRINDING WHEELS

## WITH SEMICIRCULAR-CONVEX PROFILE

- Used for machining chip-breaking flutes in tools.
- Profile grinding.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.



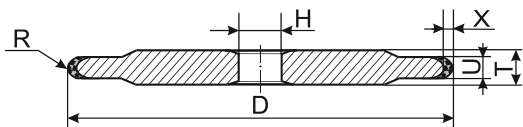
1FF1 D\*T\*X\*R\*H



Profile grinding

Catalog number	D, mm	U, mm	X, mm	T, mm	H, mm
9-0001	50	2	2	1,0	16
9-0002	50	3	4	1,5	16
9-0003	50	4	4	2,0	16
9-0004	75	4	4	2,0	20
9-0005	75	5	4	2,5	20
9-0006	75	6	4	3,0	20
9-0007	75	8	4	4,0	20
9-0008	75	10	4	5,0	20
9-0009	100	4	4	2,0	20
9-0010	100	5	4	2,5	20
9-0011	100	6	4	3,0	20
9-0012	100	8	4	4,0	20
9-0013	100	10	4	5,0	20
9-0014	100	12	6	6,0	20
9-0015	100	16	6	8,0	20
9-0016	100	20	6	10,0	20
9-0017	125	4	4	2,0	32
9-0018	125	5	4	2,5	32
9-0019	125	6	4	3,0	32
9-0020	125	8	4	4,0	32
9-0021	125	10	4	5,0	32
9-0022	125	12	6	6,0	32
9-0023	125	16	6	8,0	32
9-0024	125	20	6	10	32
9-0025	150	10	4	5	32
9-0027	150	16	4	8	32
9-0028	150	20	6	10	32
9-0029	200	20	6	10	51
9-0030	200	30	6	15	51
9-0031	250	20	6	10	51
5-9156	80	40	5	26	32
5-9122	100	4	4	2	31,75
5-9123	100	6	4	3	31,75
5-9124	100	8	4	4	31,75
5-9125	100	10	4	5	31,75
5-9185	150	24	7	12	32
5-9188	150	32	7	16	32
9-2802	300	30	5	15	42

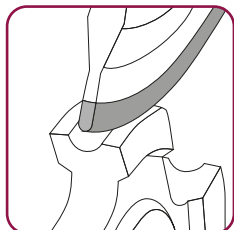
Customer-specific and other grinding tools can be produced on request.



# DIAMOND GRINDING WHEELS 14FF1

14FF1 D\*T\*U\*X\*R\*H

WITH SEMICIRCULAR-CONVEX PROFILE



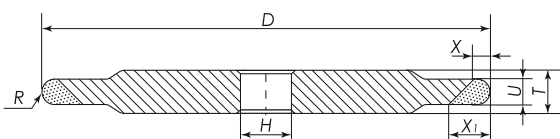
Profile grinding



- Used for machining chip-breaking flutes in tools.
- Profile grinding.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.
- For metal bonded tools coolant is required.

Catalog number	D, mm	T, mm	U, mm	X, mm	R, mm	H, mm
9-2515	150	8,5	4	4	2	32
9-2639	200	10	3	4	1,5	51
9-2653	200	10	3	4	1,5	60
9-2640	200	10	4	4	2	60
9-2641	200	10	5	4	2,5	60
9-2655	200	10	6	4	3	60
9-0304	200	12	10	5	5	127

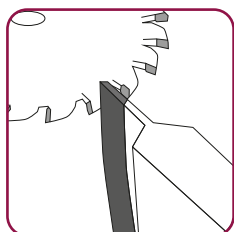
Customer-specific and other grinding tools can be produced on request.



# CBN GRINDING WHEELS 14F1

14F1 D\*T\*U\*X\*X1\*R\*H

WITH SEMICIRCULAR-CONVEX PROFILE



Profile grinding



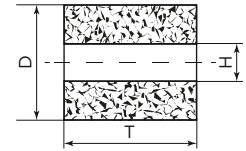
- Grinding wheels for production, re-sharpening and re-profiling of HSS circular blades.

Catalog number	D, mm	T, mm	U, mm	X, mm	X1, mm	R, mm	H, mm
W-0100	150	8	1,2	4	7	0,60	32
W-0101	150	8	1,3	4	7	0,65	32
W-0102	150	8	1,5	4	7	0,75	32
W-0103	150	8	1,6	5	8	0,80	32
W-0104	150	8	1,8	5	8	0,90	32
W-0105	150	8	2,0	5	8	1,00	32
W-0106	150	8	2,5	8	12	1,25	32
W-0107	150	8	3,0	8	12	1,50	32
W-0108	150	8	3,5	8	12	1,75	32
W-0109	150	8	4,0	10	15	2,00	32
W-0110	150	8	5,0	10	15	2,50	32
W-0111	150	8	5,5	10	15	2,75	32
W-0112	150	8	6,0	10	15	3,00	32

Customer-specific and other grinding tools can be produced on request.

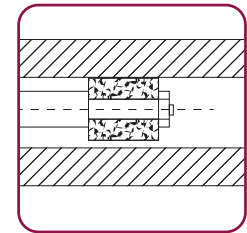
# A8

## STRAIGHT FLAT GRINDING DIAMOND WHEELS



A8 D\*T\*H

- Circular internal grinding of cylindrical surfaces of carbide, ceramic, glass and other hard-to-machine materials.
- The diamond layer is made of diamond grinding powder and micropowders with metal or resin bonds.
- For metal bonded tools coolant is required.



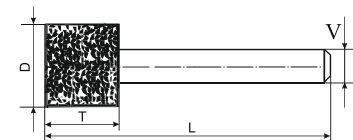
Internal grinding

Catalog number	D, mm	T, mm	H, mm
0-0181	6	6	2
0-0182	8	6	3
0-0183	8	10	3
0-0184	10	6	4
0-0185	10	10	4
0-0187	13	10	4
0-0196	25	20	6
0-0195	20	20	8
6-3024	30,5	11	8
OB0192	12	8	6
0-0192	12	10	4
0-0193	14	10	4

Customer-specific and other grinding tools can be produced on request.

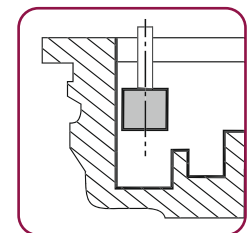
# AW

## CYLINDRICAL DIAMOND POINTS



AW D\*T\*V\*L

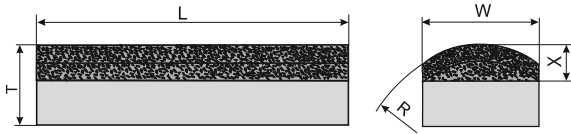
- Grinding of cylindrical surfaces.
- The diamond layer is made of diamond grinding powder and micropowders with metal or resin bonds.
- For metal bonded tools coolant is required.
- Hollow teeth grinding.
- Inner diameter grinding of hard metal, HSS and nonmetal workpieces.



Internal grinding

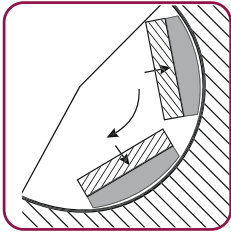
Catalog number	D, mm	W, mm	T, mm	H, mm
8-1011	6	6	3	60
8-1024	8	8	3	60
8-1033	10	10	6	80
8-1042	12	12	6	80
8-1049	16	16	8	80
8-1058	20	20	8	80
8H1023	7	6	6	45
6D3051	6,5	6	6	40
6-3051	7	6	6	56,4

Customer-specific and other grinding tools can be produced on request.



## DIAMOND HONING STICKS WITH THE CORPS

L\*T\*X\*W\*R



Honing

### RECOMMENDATIONS FOR DIAMOND HONES

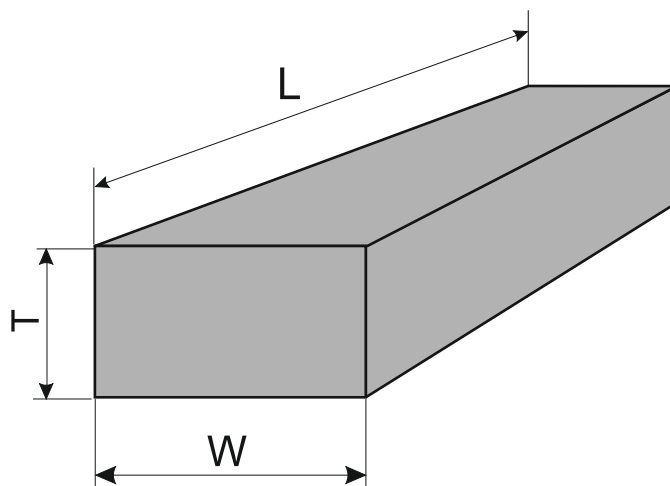
- Diamond hones are used for high-precision apertures, processing cast iron, steel and other machine parts such as cylinder blocks, cylinder liners, hubs for car and tractor engines, hydro-and pneumatic units, compressor cylinders, hubs for ship diesel engines, brake units, gears, connecting-rods, fuel pump hubs.
- The diamond layer is made of diamond grinding powder with metal or resin bonds.

Catalog number	L, mm	T, mm	X, mm	W, mm	R, mm
2-0007	50	2	1	1	2
2-0004	80	5,2	2	5	37,5
2-0005	80	5	2	3	3
8-0023	100	6	3	5	30
8-0036	100	5	3	8	40
8-0063	150	6	3	16	100
8-0054	150	6	4	12	50

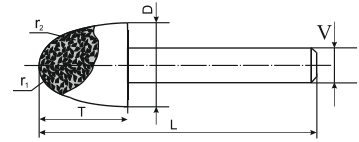
Customer-specific and other grinding tools can be produced on request.

### Diamond Honing Sticks (monolayer)

Code	L, mm	W, mm	T, mm
125-84	125	8	4
100-84	100	8	4
100-85	100	8	5
80-3-5	80	3	5
80-5-5	80	5	5
75-6-4	75	6	4
75-6-5	75	6	5
60-3-3	60	3	3
50-4-3	50	4	3
50-4-4	50	4	4
50-6-4	50	6	4
50-2-2	50	2	2

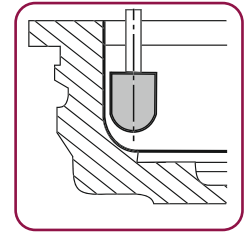


# F1W SEMICIRCULAR DIAMOND MOUNTED POINTS



F1W D\*T\*L\*V\*r1\*r2

- Internal grinding of complex surfaces.
- The diamond layer is made of diamond grinding powder and micropowders with metal or resin bonds.
- For metal bonded tools coolant is required.

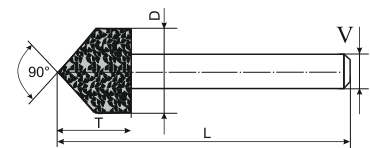


Internal profile grinding

Catalog number	D, mm	T, mm	L, mm	V, mm	r1, mm	r2, mm
9-3130	6	9	60	3	1,5	12
9-3132	8	12	60	3	1,5	15
9-3137	10	14	60	6	2	15
9-3144	12	16	80	6	2	22
9-3146	16	20	80	8	3	25
9-3148	20	24	80	8	3,5	29

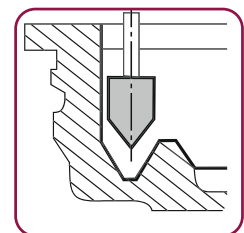
Customer-specific and other grinding tools can be produced on request.

# EW TAPERED DIAMOND MOUNTED POINTS



EW D\*T\*V\*L

- Internal grinding of complex surfaces.
- The diamond layer is made of diamond grinding powder and micropowders with metal or resin bonds.
- For metal bonded tools coolant is required.



Internal grinding

Catalog number	D, mm	T, mm	V, mm	L, mm
9-3111	6	6	3	40
9-3112	6	6	4	40
9-3113	8	8	3	40
9-3114	8	8	6	40
9-3115	10	9	6	60
9-3117	12	10	6	60
9-3121	20	18	8	80

Customer-specific and other grinding tools can be produced on request.

## SPECIAL DIAMOND STICKS (VERSIONS A, C)

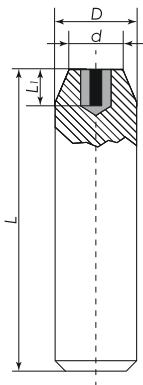
- For dressing straight wheels and profile dressing.
- For wheels with hardness from M to Ct2.

### Product advantages:

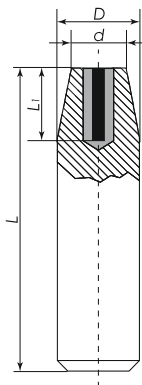
Narrow but long. The special shape of the dressing crystal permits effective profile grinding. Homogeneity of crystal structure provides stability during dressing.

**Diamond disposition:** type 01-chain, type 02- layered

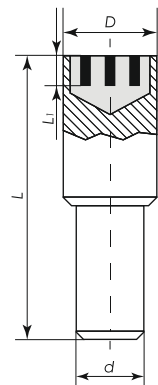
TYPE 01, VERSION A.  
CODE 800053



TYPE 01, VERSION A.  
CODE 800054



TYPE 02, VERSION C.  
CODE 800083

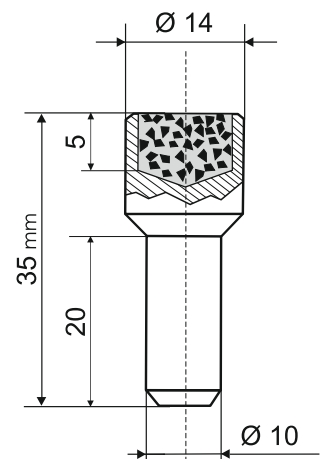


Catalog number	Type	Version	D, mm	d, mm	L, mm	L1, mm	Number of dressing crystals
800053	01	A	10	5	45	4	1
800054	01	A	10	5	45	8	1
800083	02	C	10	5	45	4	3

Customer-specific and other grinding tools can be produced on request.

### Diamond dressing sticks 080094 Version C Type 04

For dressing straight abrasive wheels (hardness from M to C1) and profile dressing.



Customer-specific and other grinding tools can be produced on request.